

APPLICANT(S): BURR, Jeremy
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AMENDMENTS TO THE CLAIMS

Please add or amend the claims to read as follows, and cancel without prejudice or disclaimer to resubmission in a divisional or continuation application claims indicated as cancelled:

- 1 (Currently Amended). A mobile device, comprising:
- a receiver designed to receive a communication from ~~at least~~ one or more other mobile device;
 - a transmitter designed to transmit messages to ~~at least the~~ one or more other mobile device;
 - ~~[[an]]~~ a common software application ~~software~~ stored in the mobile device;
- and
- a processor designed to construct a routing list of mobile devices including said common software application , wherein the routing list is used to establish a sub-network of the mobile devices having said common software application within a mobile ad-hoc network.
- ~~a list of other devices including the application software.~~

- 2 (Currently Amended). A mobile device according to claim 1, wherein the routing list of other devices includes ~~[[a]]~~ route one or more routes to each other device the one or more other mobile devices including the common software application software.

- 3 (Currently Amended). A mobile device according to claim 1, ~~further~~ comprising:
- a memory; and
 - a routing table stored in the memory, the routing table including the routing list of other devices including the application software.

4 (Currently Amended). A mobile device according to claim 3, wherein the routing table is designed to store a route to at least one other reachable device including the common software application-software.

5 (Currently Amended). A mobile device according to claim 1, ~~further comprising wherein the receiver is able to receive from a second mobile device another routing a-list of other devices having the common software application reachable from [[a]] said second mobile device, the list of other devices received from the second device using the receiver.~~

6 Canceled

7 (Currently Amended). A method ~~for organizing a network, comprising:~~
establishing a sub-network of a mobile ad-hoc network of at least first and second mobile devices having a common software ~~operating a first device, the first device including an application-software;~~
~~identifying a second device with which the first device can communicate;~~
~~and~~
~~determining whether the second device includes the application software.~~

8 (Original). A method according to claim 7, further comprising establishing a communications channel between the first and second device if the second device includes the application software.

9 (Currently Amended). A method according to claim 8, further comprising:
receiving a list of devices reachable from the second device, the list including a third device having the common software application;
~~determining whether the third device includes the software; and~~
establishing a communications channel from the first device through the second device to the third device ~~if the third device includes the application software.~~

10 (Original). A method according to claim 9, further comprising sending messages from the first device to the second device, to be relayed to the third device.

11 (Original). A method according to claim 10, wherein sending messages from the first device to the second device includes specifying a path from the first device to the third device.

12 (Original). A method according to claim 9, wherein establishing a communications channel from the first device through the second device to the third device includes establishing a communications channel from the first device through the second device to the third device without regard for any alternative route from the first device to the third device.

13 (Currently Amended). A method according to claim 9, wherein determining whether the third device includes the application software includes receiving from the second device an indication that the third device includes the common software application-~~software~~.

14 (Currently Amended). A method according to claim 9, wherein receiving a list of devices reachable from the second device includes receiving an indication that the third device includes the common software application-~~software~~.

15 (Original). A method according to claim 9, further comprising changing the communications channel from the first device through the second device to the third device to an alternative communications channel if the alternative communications channel has a lower cost than the communications channel.

16 (Original). A method according to claim 8, further comprising:
receiving a list of devices reachable from the second device; and

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forwarding the list of devices to a third device within range of the first device.

17 (Currently Amended). A method according to claim 16, wherein receiving a list of devices reachable from the second device includes receiving a list of devices including the common software application—software reachable from the second device.

18 (Currently Amended). An article comprising:
a storage medium, said storage medium having stored thereon instructions that, when executed by a computing device, result in:

establishing a sub-network of a mobile ad-hoc network of at least first and second mobile devices having a common software operating a first device, the first device including an application—software;

~~identifying a second device with which the first device can communicate;~~
and

~~determining whether the second device includes the application software.~~

19 (Original). An article according to claim 18, wherein the storage medium has further stored thereon instructions, that, when executed by the computing device, result in establishing a communications channel between the first and second device if the second device includes the application software.

20 (Currently Amended). An article according to claim 19, wherein the storage medium has further stored thereon instructions, that, when executed by the computing device, result in:

receiving a list of devices reachable from the second device, the list including a third device having the common software application;

~~determining whether the third device includes the software;~~ and
establishing a communications channel from the first device through the second device to the third device ~~if the third device includes the application software.~~

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21 (Original). An article according to claim 20, wherein the storage medium has further stored thereon instructions, that, when executed by the computing device, result in sending messages from the first device to the second device, to be relayed to the third device.

22 (Original). An article according to claim 21, wherein sending messages from the first device to the second device includes specifying a path from the first device to the third device.

23 (Original). An article according to claim 20, wherein establishing a communications channel from the first device through the second device to the third device includes establishing a communications channel from the first device through the second device to the third device without regard for any alternative route from the first device to the third device.

24 (Currently Amended). An article according to claim 20, wherein determining whether the third device includes the application software includes receiving from the second device an indication that the third device includes the common software application-~~software~~.

25 (Currently Amended). An article according to claim 20, wherein receiving a list of devices reachable from the second device includes receiving an indication that the third device includes the common software application-~~software~~..

26 (Original). An article according to claim 20, further comprising changing the communications channel from the first device through the second device to the third device to an alternative communications channel if the alternative communications channel has a lower cost than the communications channel.

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27 (Original). An article according to claim 19, wherein the storage medium has further stored thereon instructions, that, when executed by the computing device, result in:

receiving a list of devices reachable from the second device; and

forwarding the list of devices to a third device within range of the first device.

28 (Currently Amended). An article according to claim 27, wherein receiving a list of devices reachable from the second device includes receiving a list of devices including the common software application-~~software~~ reachable from the second device.